

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104321.D
 Acq On : 6 Apr 2018 22:23
 Operator : JU/SJ
 Sample : J2212-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 23:12:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

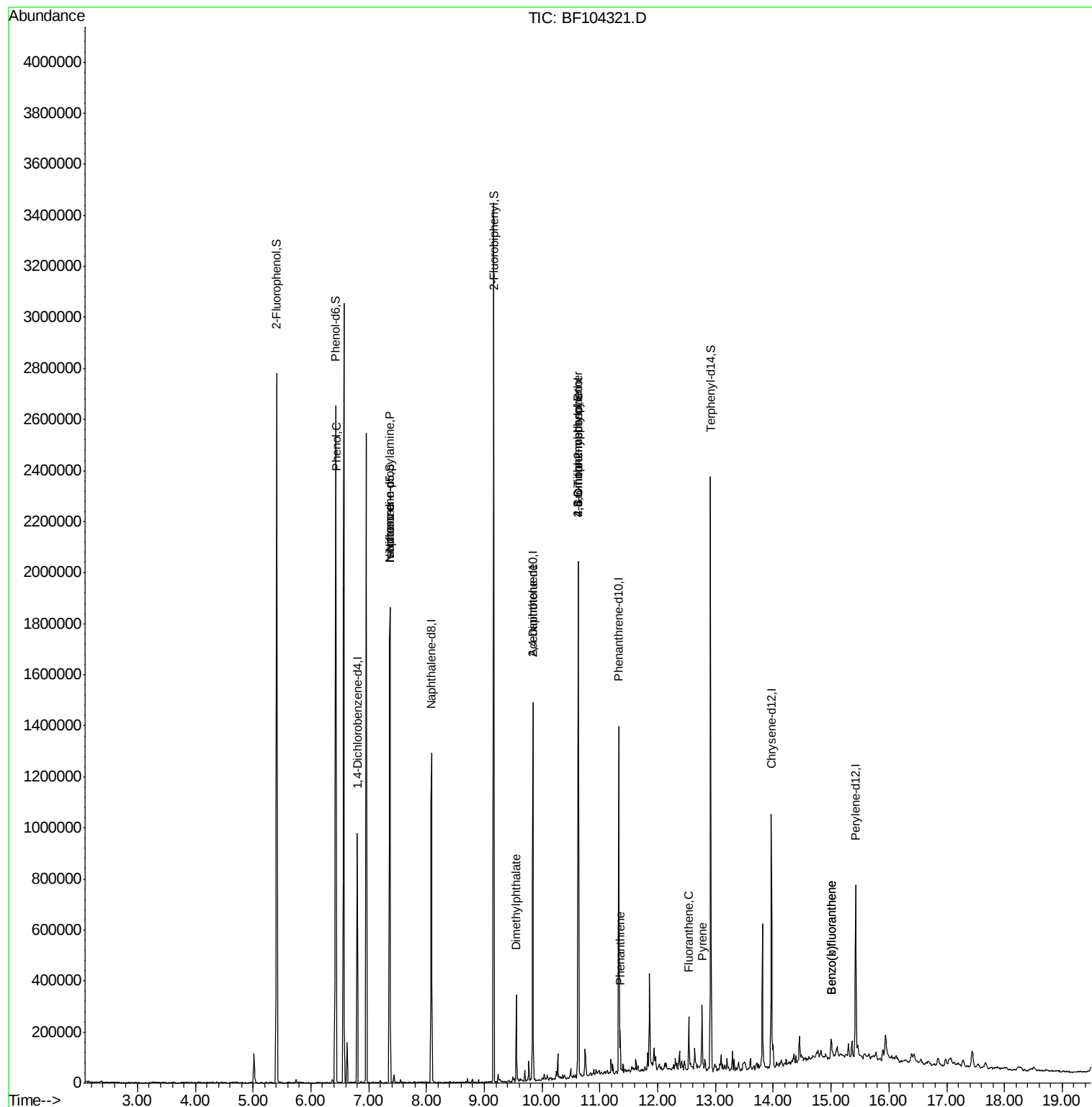
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139405	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	569877	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	258424	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	427682	20.00	ng	0.00
75) Chrysene-d12	13.97	240	294930	20.00	ng	0.00
86) Perylene-d12	15.43	264	284556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	884407	97.01	ng	0.00
7) Phenol-d6	6.43	99	1100968	98.28	ng	0.00
23) Nitrobenzene-d5	7.37	82	639539	73.28	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	249829	93.20	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1002037	61.25	ng	0.00
78) Terphenyl-d14	12.92	244	826509	63.89	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1919	Below Cal		Qvalue
10) Phenol	6.44	94	25268	2.126 ng	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	84071	11.485 ng	#	72
25) Isophorone	7.37	82	639189	34.635 ng	#	64
49) Dimethylphthalate	9.56	163	125312	6.149 ng		100
56) 2,4-Dinitrotoluene	9.84	165	33066	6.685 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	582	7.584 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	15278	3.358 ng	#	1
70) Phenanthrene	11.35	178	54499	2.288 ng		99
74) Fluoranthene	12.54	202	67413	2.709 ng		96
76) Benzydine	12.92	184	11342	Below Cal		95
77) Pvrene	12.77	202	90629	4.146 ng		97
87) Benzo(b)fluoranthene	15.00	252	45764	2.546 ng	#	85
88) Benzo(k)fluoranthene	15.00	252	45764	2.697 ng	#	88

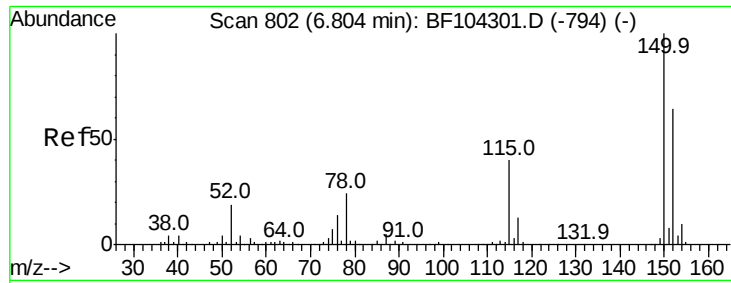
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :

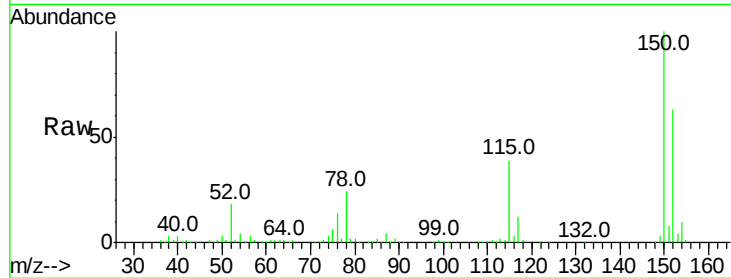
Tot Ion:152 Resp: 139405

Ion Ratio Lower Upper

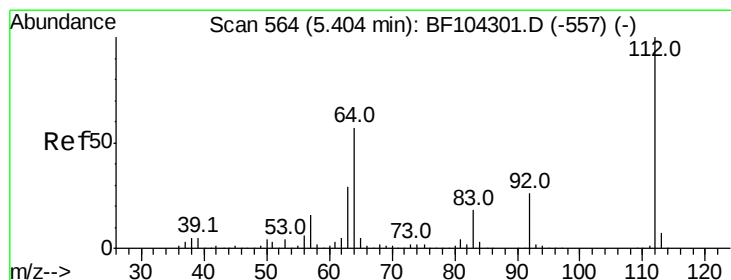
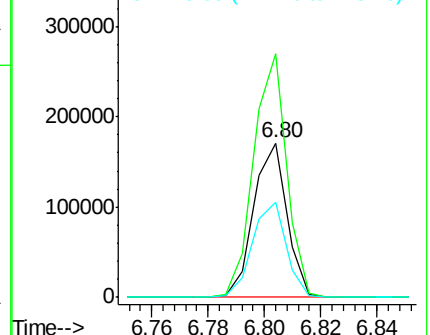
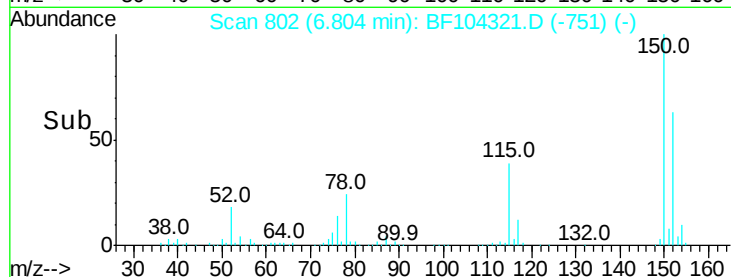
152 100

150 157.7 124.6 186.8

115 61.8 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 97.006 ng

RT: 5.41 min Scan# 565

Delta R.T. 0.01 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

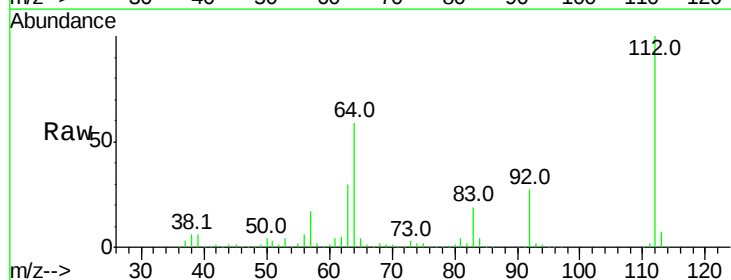
Tgt Ion:112 Resp: 884407

Ion Ratio Lower Upper

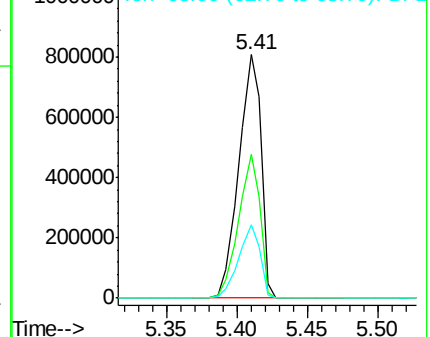
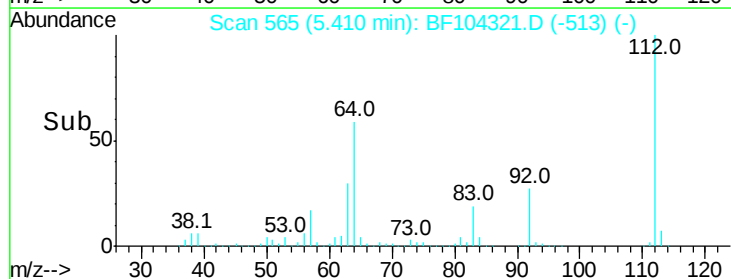
112 100

64 59.2 47.9 71.9

63 30.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.284 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

Instrument :

BNA_F

ClientSampleId :

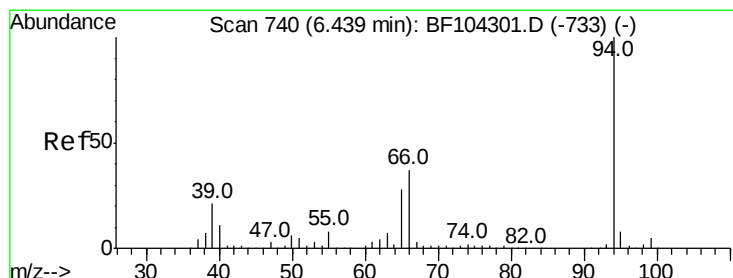
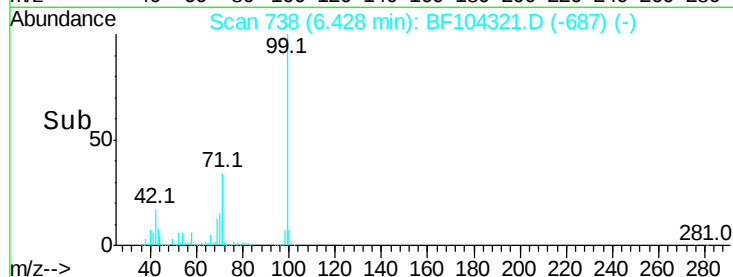
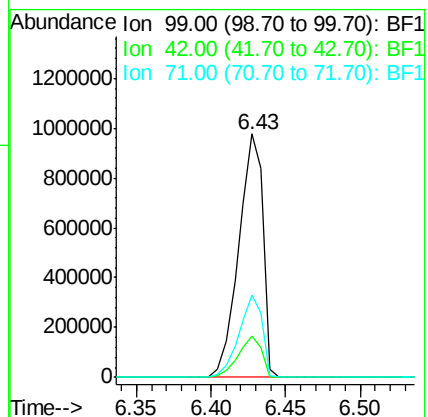
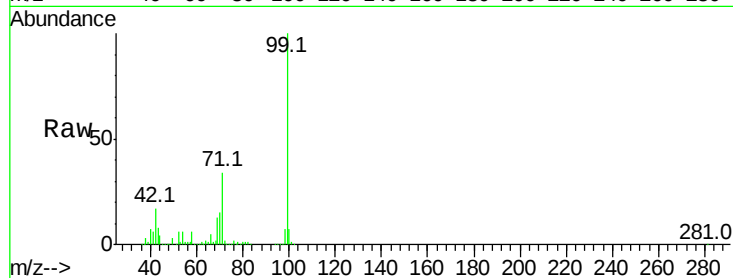
Tot Ion: 99 Resp: 1100968

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 2.126 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

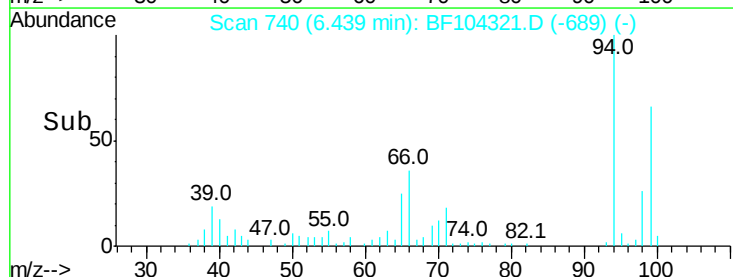
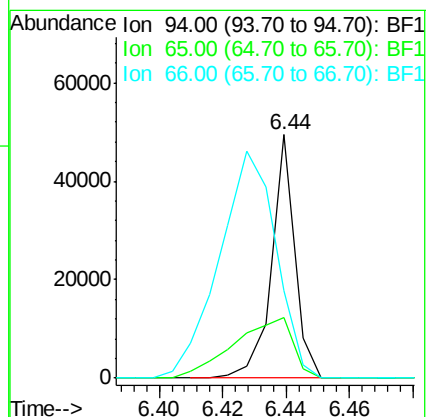
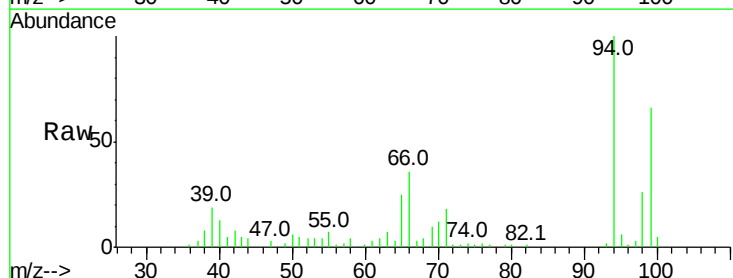
Tgt Ion: 94 Resp: 25268

Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

66 35.9 16.2 56.2

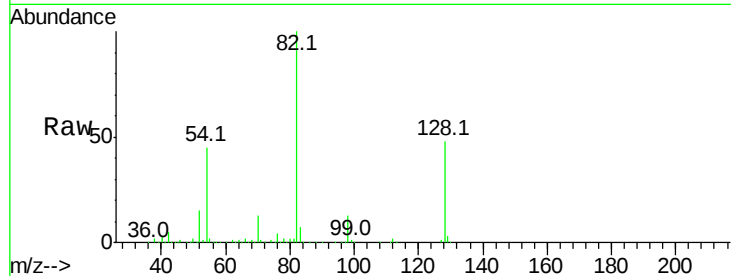




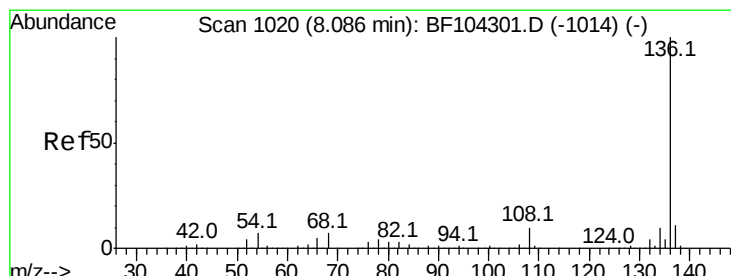
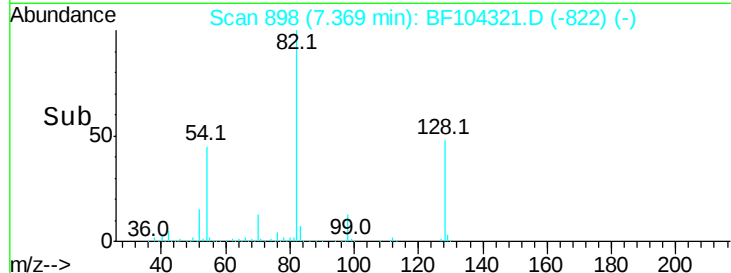
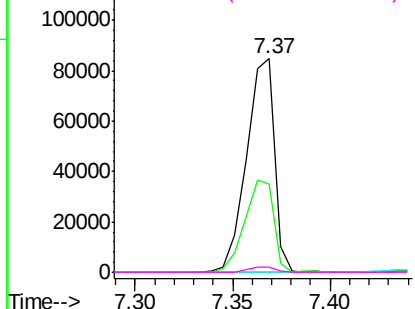
#19
n-Nitroso-di-n-propylamine
Concen: 11.485 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.15 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 84071
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

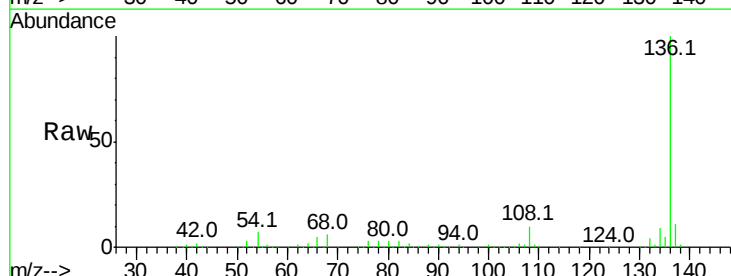


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

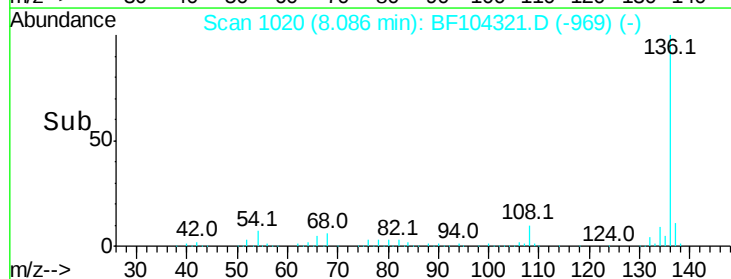
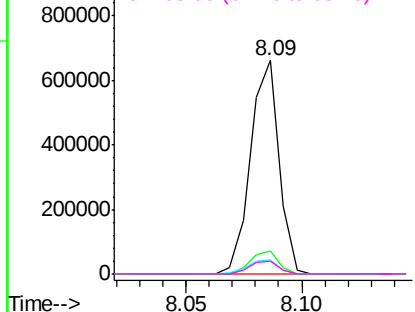


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Tgt Ion:136 Resp: 569877
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.7 6.6 9.8
68 5.8 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

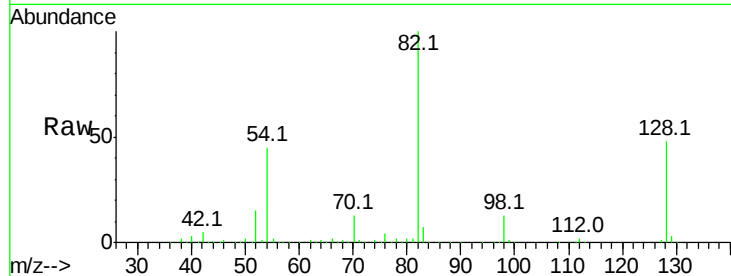




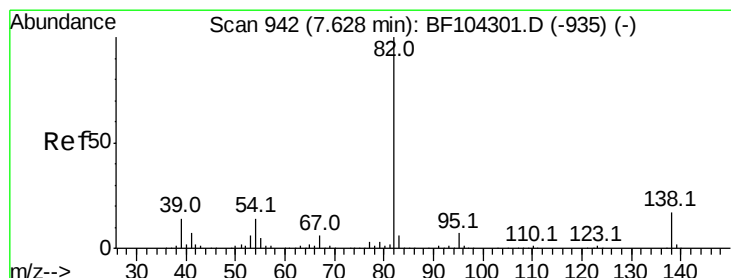
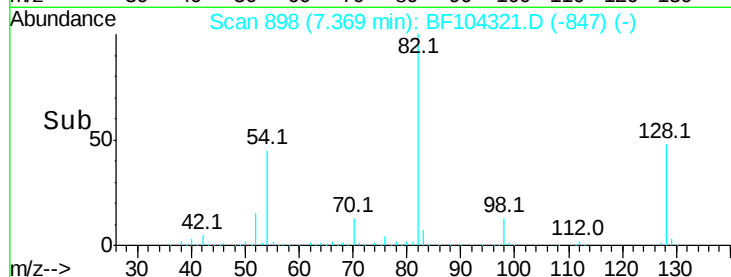
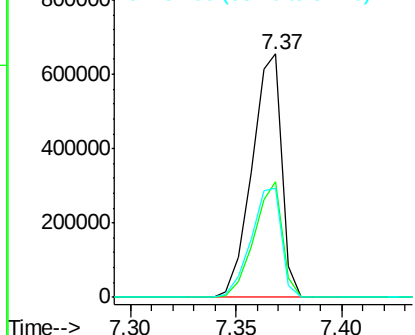
#23
Nitrobenzene-d5
Concen: 73.280 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 639539
Ion Ratio Lower Upper
82 100
128 47.7 36.1 54.1
54 44.6 41.4 62.2

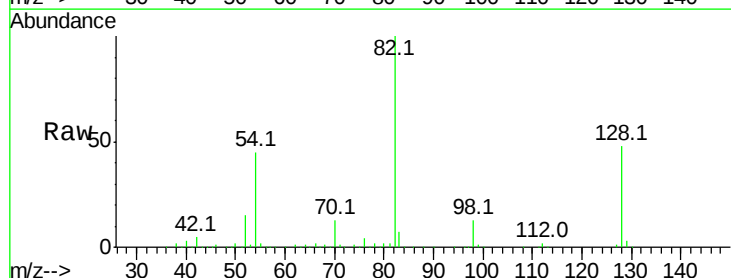


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

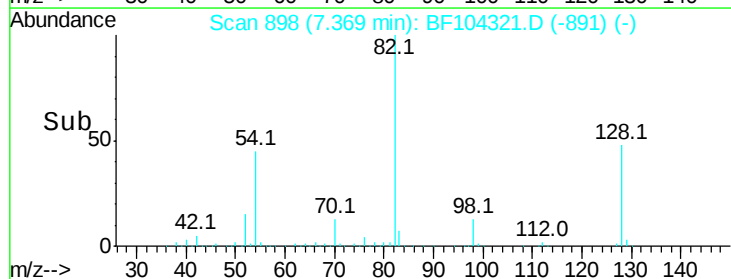
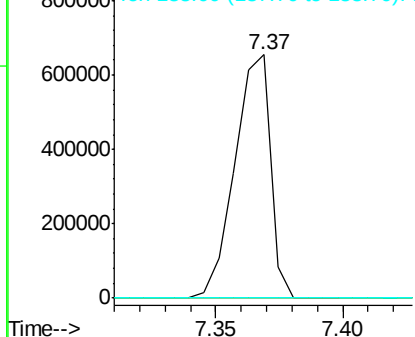


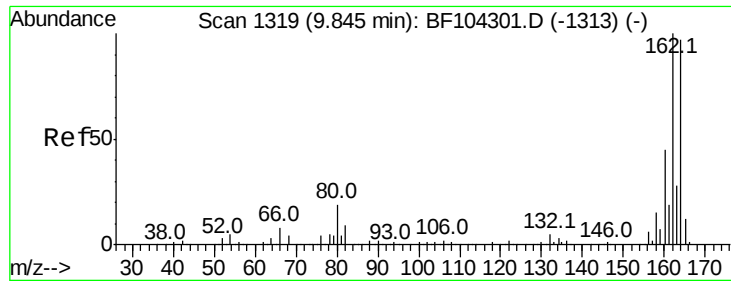
#25
Isophorone
Concen: 34.635 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Tgt Ion: 82 Resp: 639189
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

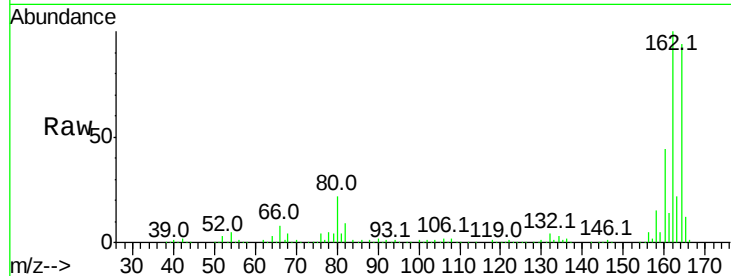




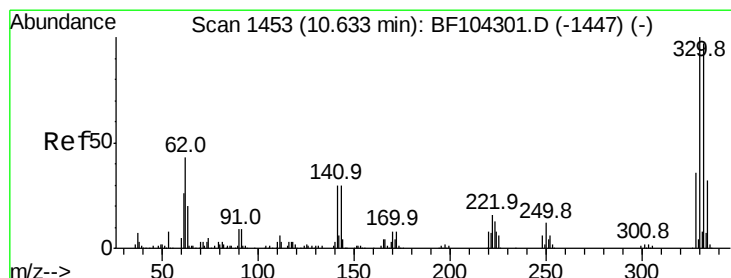
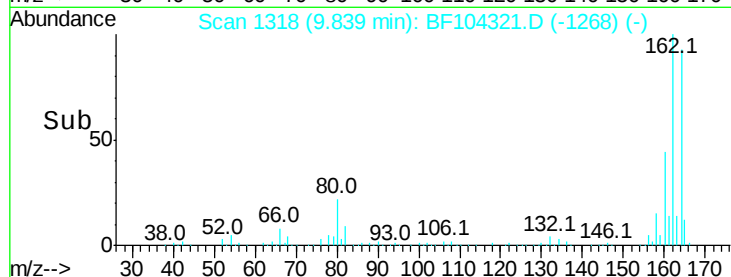
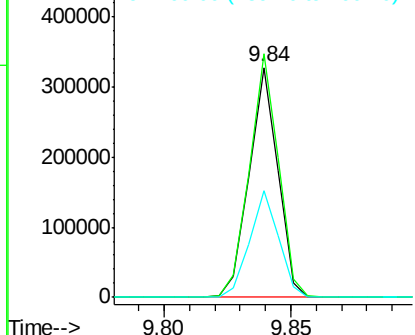
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 258424
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 46.5 38.3 57.5

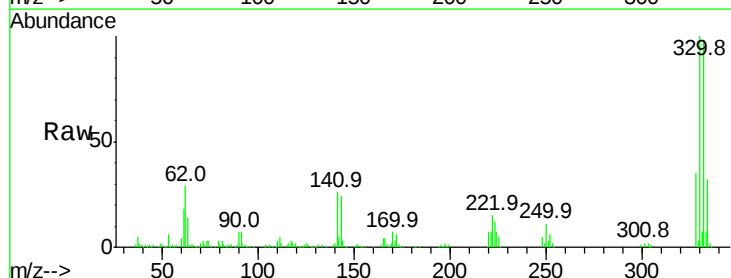


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

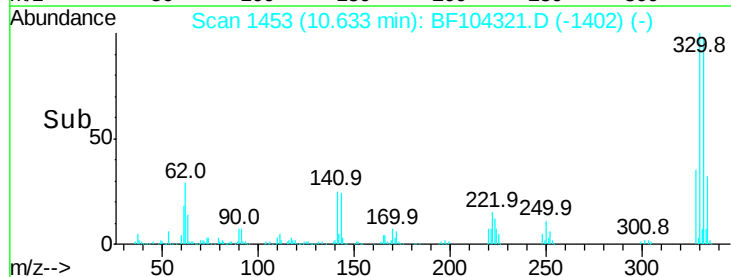
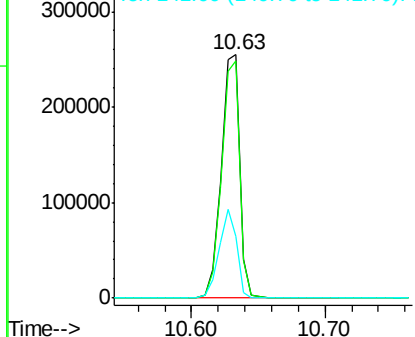


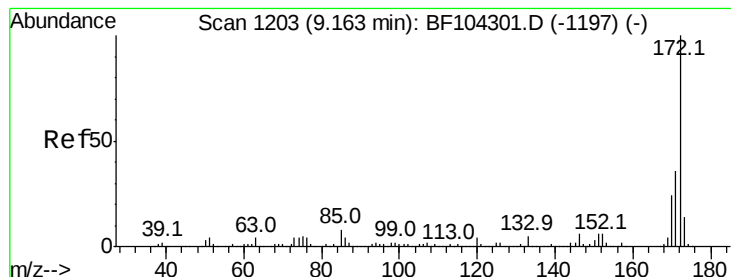
#41
2,4,6-Tribromophenol
Concen: 93.195 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Tgt Ion:330 Resp: 249829
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 35.2 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 61.255 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

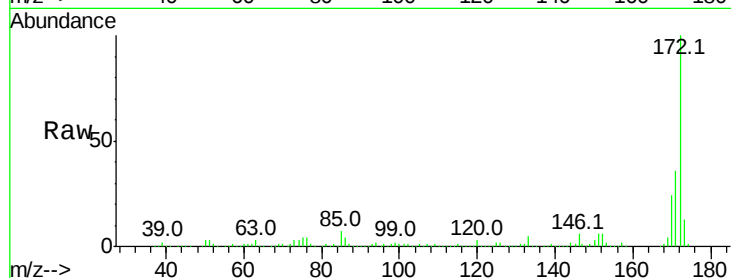
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1002037

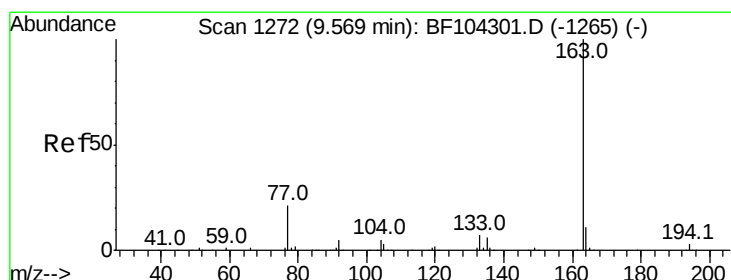
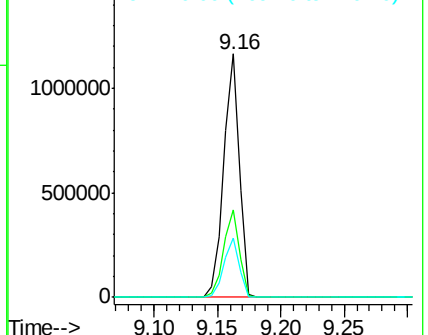
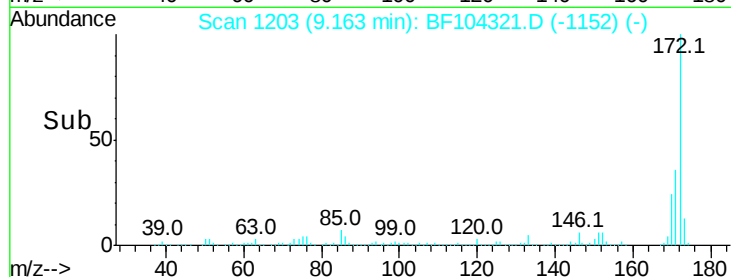
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 6.149 ng

RT: 9.56 min Scan# 1270

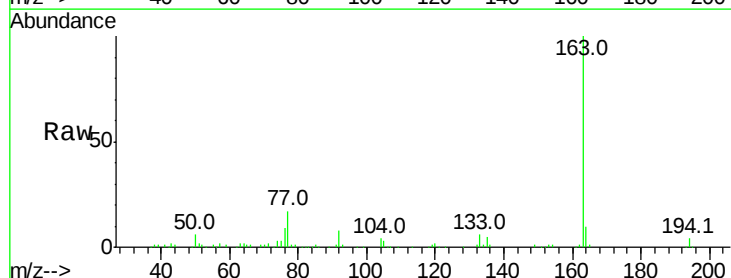
Delta R.T. -0.01 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

Tgt Ion:163 Resp: 125312

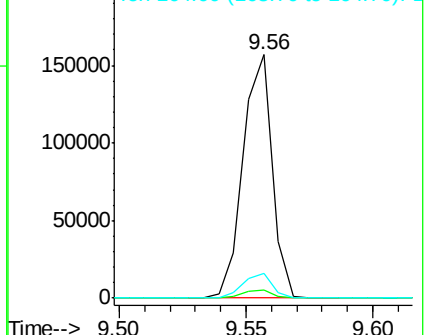
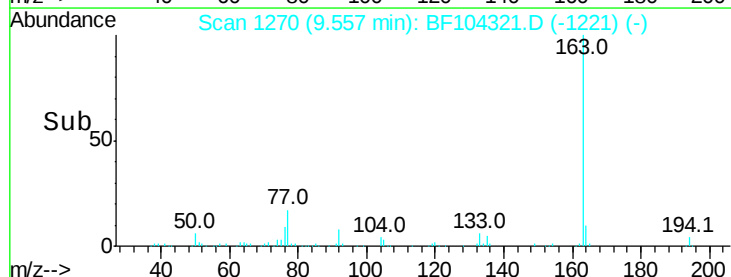
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

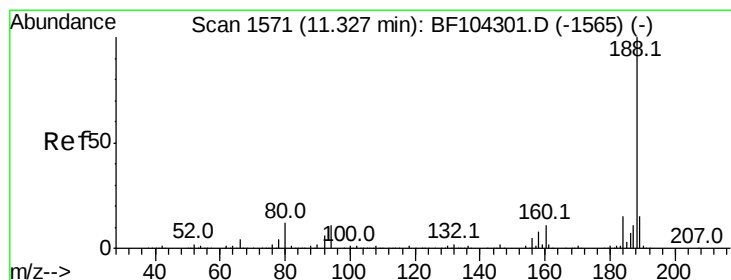
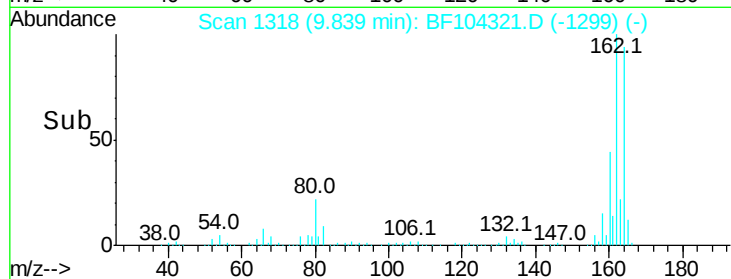
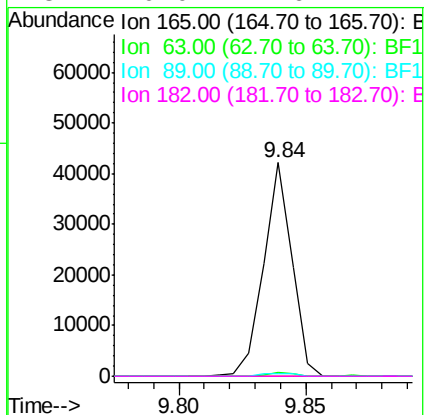
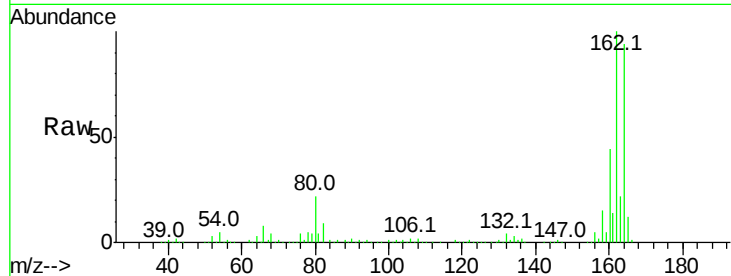




#56
 2,4-Dinitrotoluene
 Concen: 6.685 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104321.D
 Acq: 6 Apr 2018 22:23

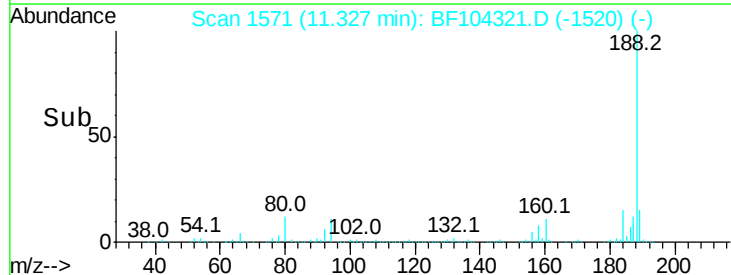
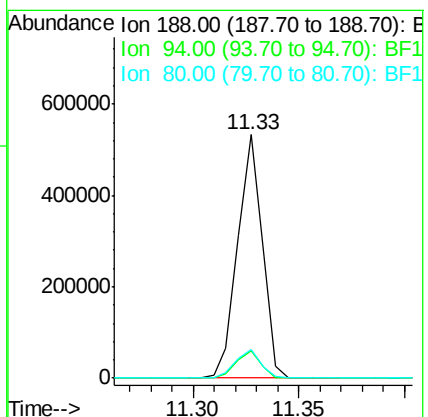
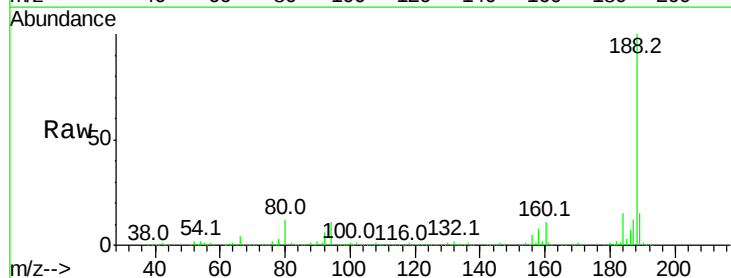
Instrument :
 BNA_F
 ClientSampleId :

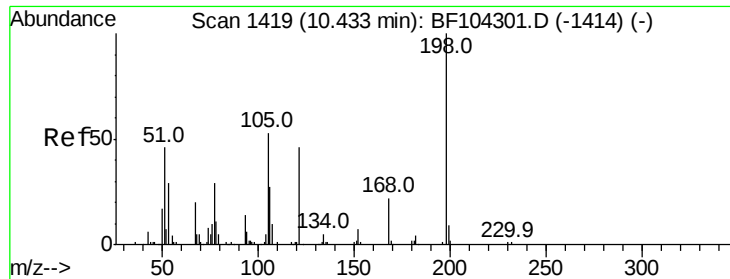
Tot Ion:165	Resp:	33066
Ion Ratio	Lower	Upper
165 100		
63 1.6	36.4	54.6#
89 1.2	57.8	86.6#
182 0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF104321.D
 Acq: 6 Apr 2018 22:23

Tgt Ion:188	Resp:	427682
Ion Ratio	Lower	Upper
188 100		
94 11.3	8.5	12.7
80 11.5	9.2	13.8

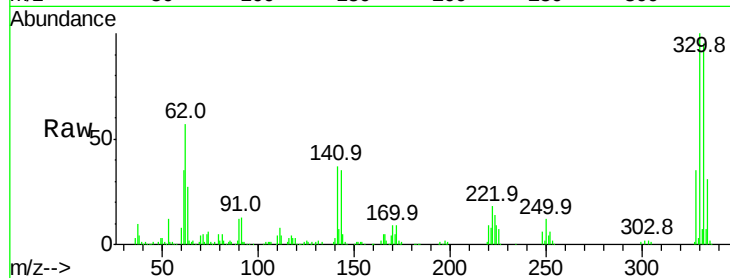




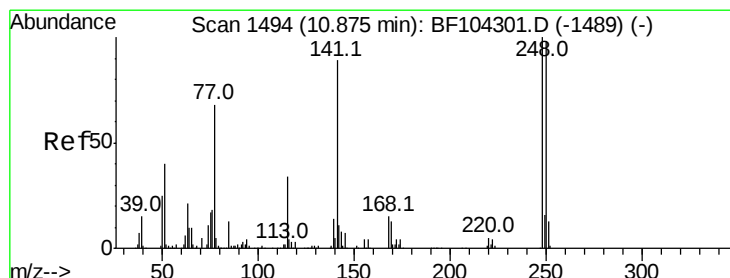
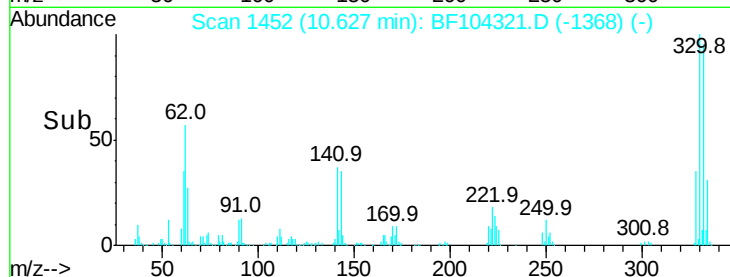
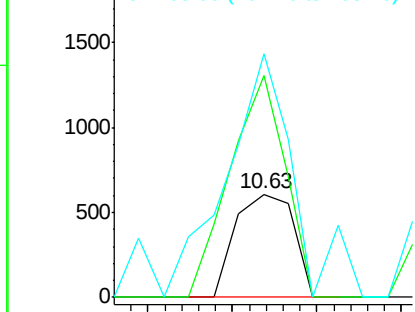
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.584 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF104321.D
 Acq: 6 Apr 2018 22:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 582
 Ion Ratio Lower Upper
 198 100
 51 215.2 37.7 77.7#
 105 236.2 36.3 76.3#

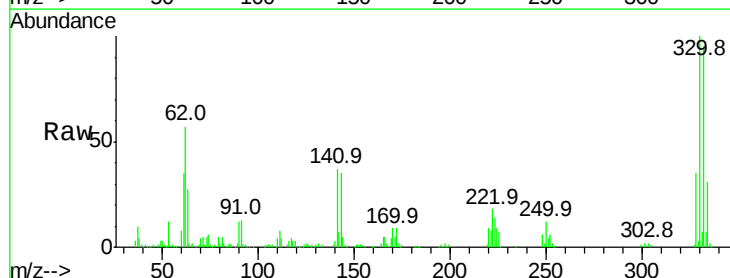


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

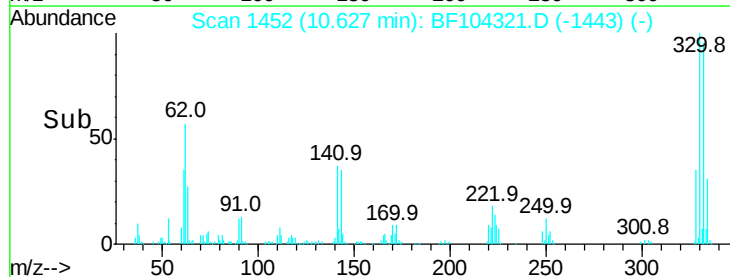
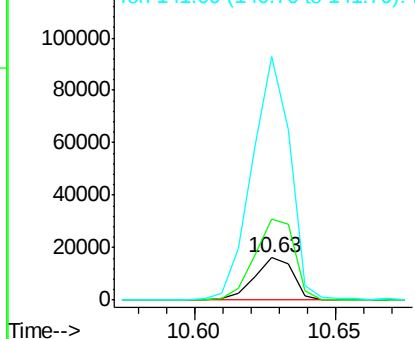


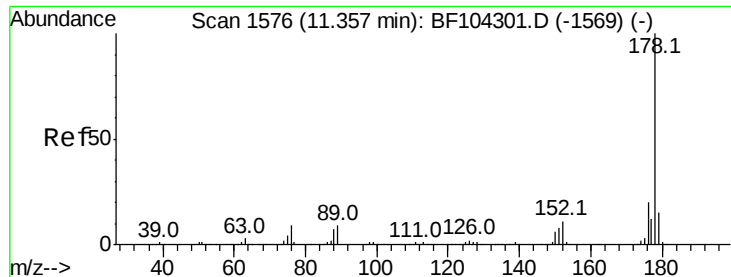
#66
 4-Bromophenyl-phenylether
 Concen: 3.358 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104321.D
 Acq: 6 Apr 2018 22:23

Tgt Ion:248 Resp: 15278
 Ion Ratio Lower Upper
 248 100
 250 189.7 76.9 115.3#
 141 573.3 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

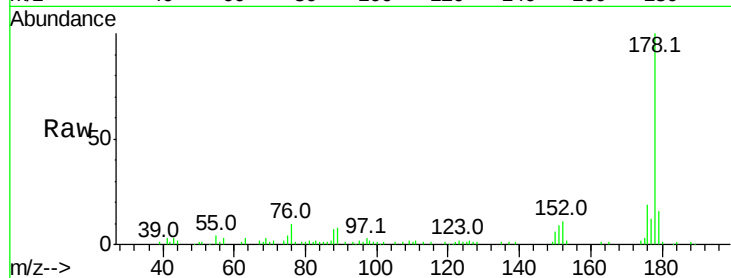




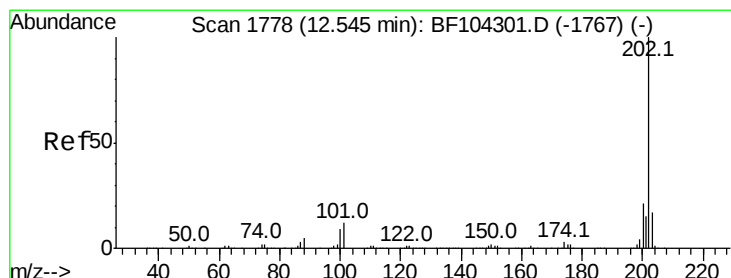
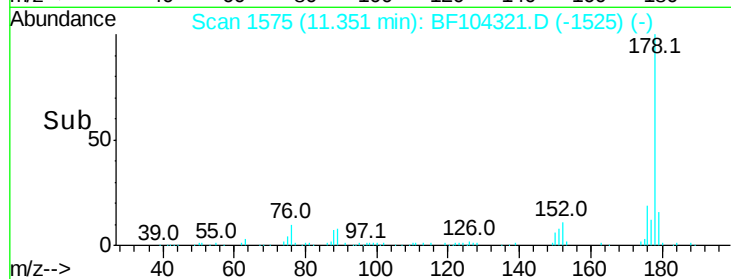
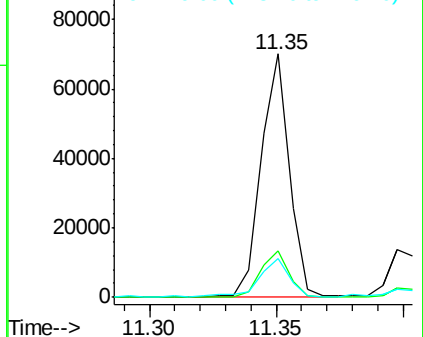
#70
Phenanthrene
Concen: 2.288 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 54499
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 16.1 13.0 19.6

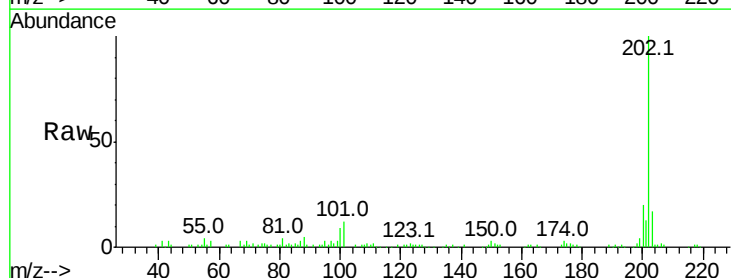


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

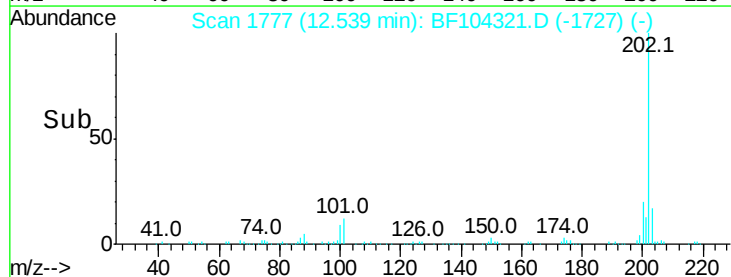
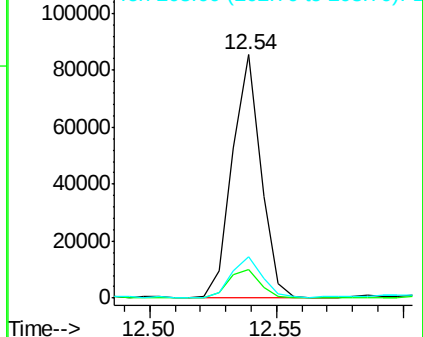


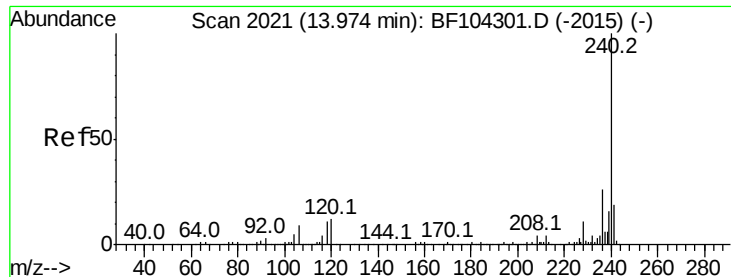
#74
Fluoranthene
Concen: 2.709 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF104321.D
Acq: 6 Apr 2018 22:23

Tgt Ion:202 Resp: 67413
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

Instrument :

BNA_F

ClientSampleId :

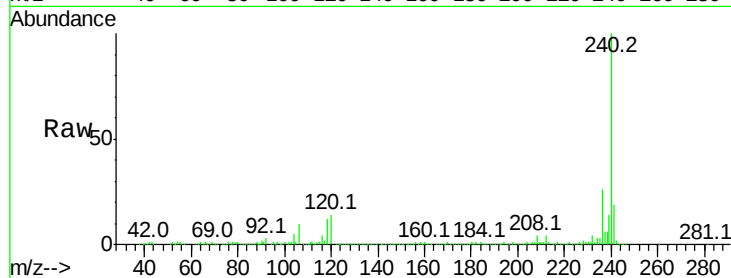
Tot Ion:240 Resp: 294930

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

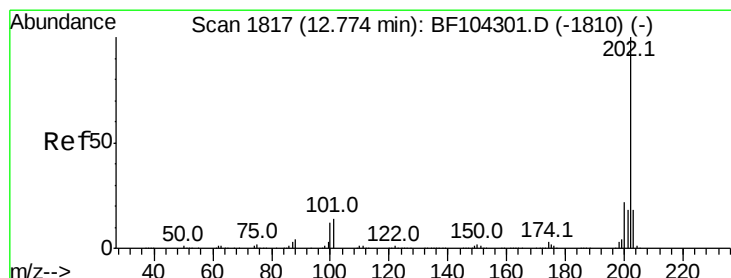
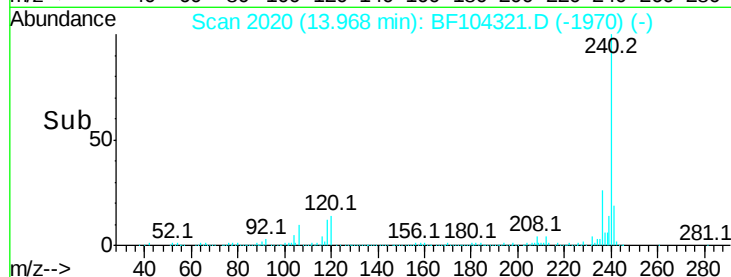
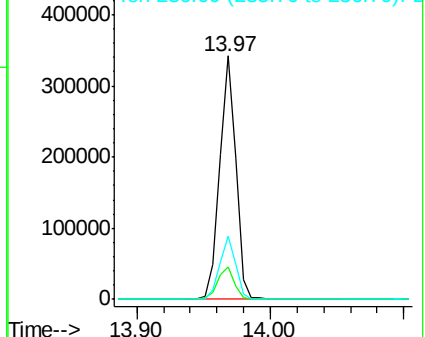
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.146 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

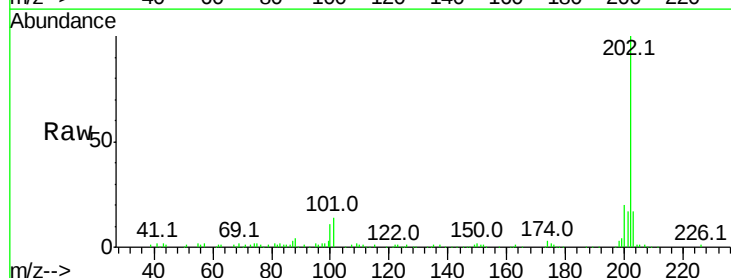
Tgt Ion:202 Resp: 90629

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

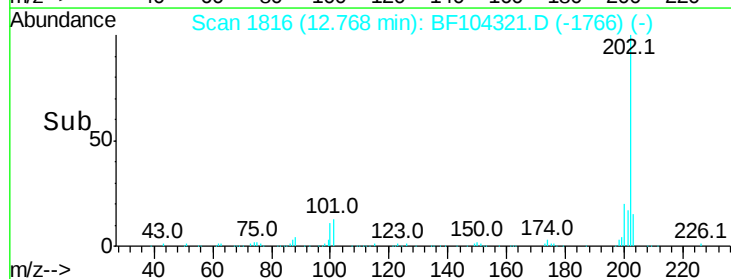
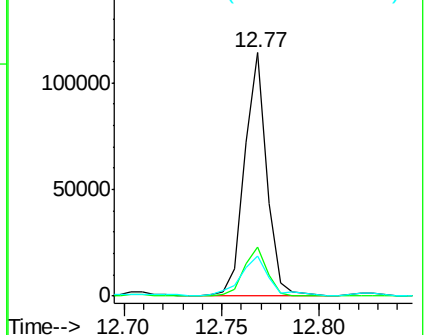
203 16.6 14.3 21.5

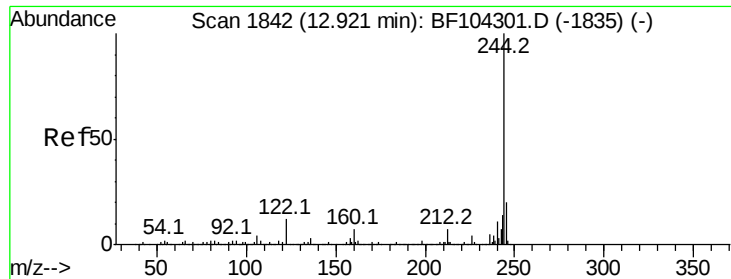


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.890 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

Instrument :

BNA_F

ClientSampleId :

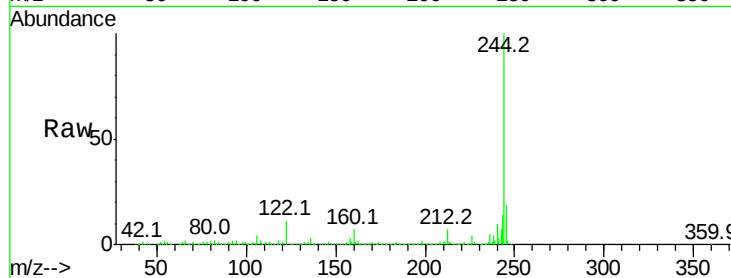
Tot Ion:244 Resp: 826509

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

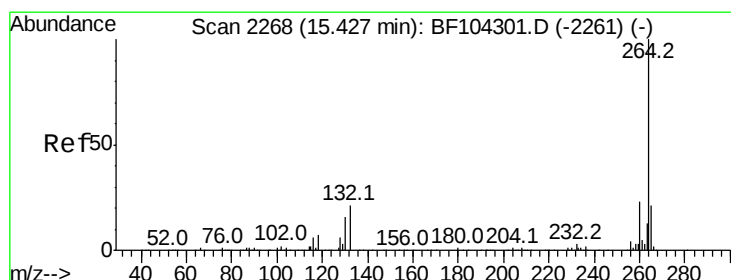
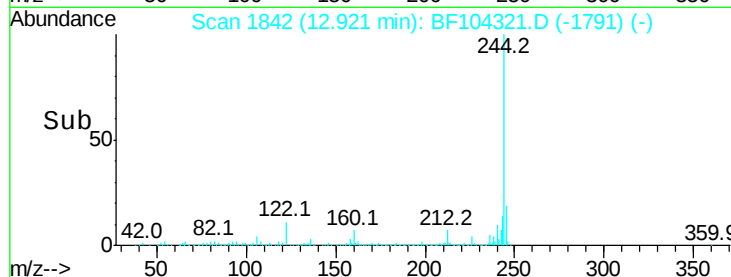
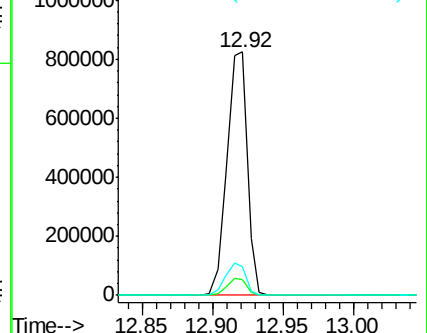
122 11.5 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.00 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

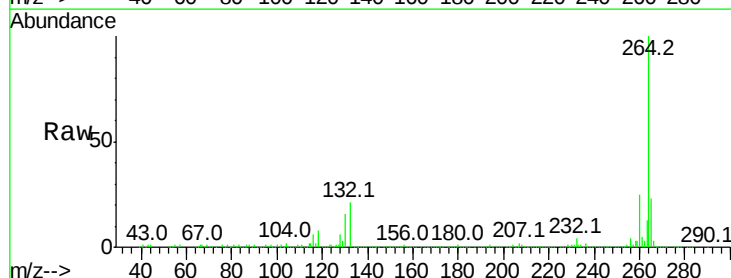
Tgt Ion:264 Resp: 284556

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

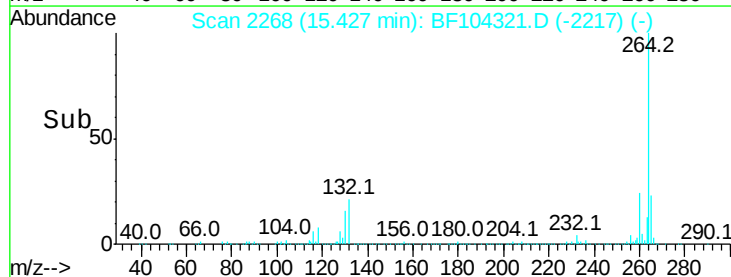
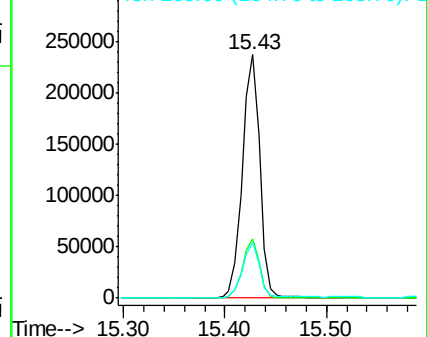
265 22.8 17.5 26.3

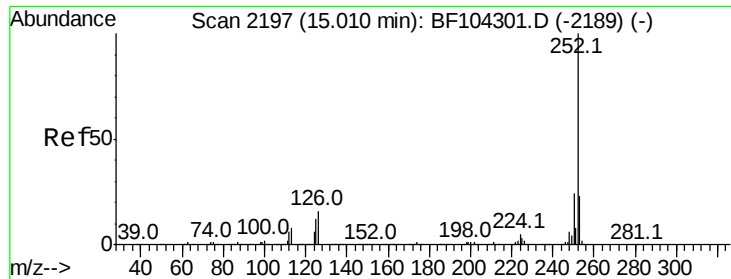


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.546 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

Instrument :

BNA_F

ClientSampleId :

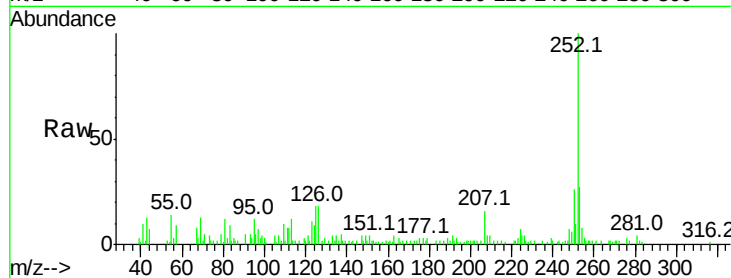
Tot Ion:252 Resp: 45764

Ion Ratio Lower Upper

252 100

253 27.5 17.0 25.6#

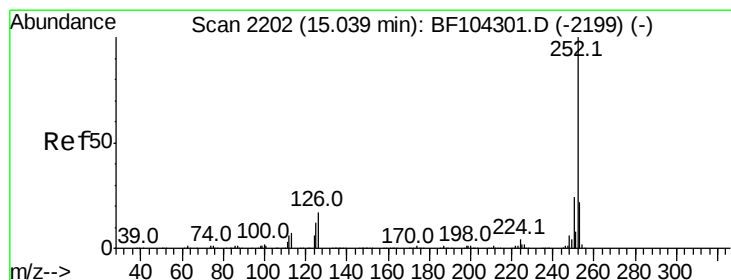
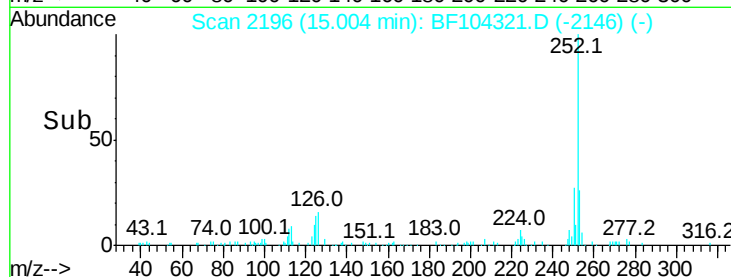
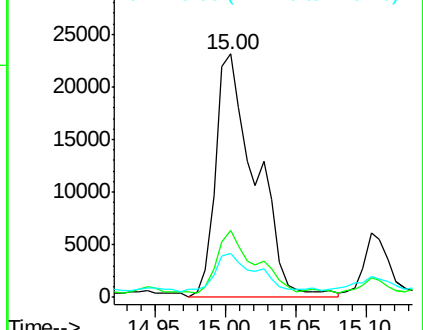
125 17.9 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.697 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF104321.D

Acq: 6 Apr 2018 22:23

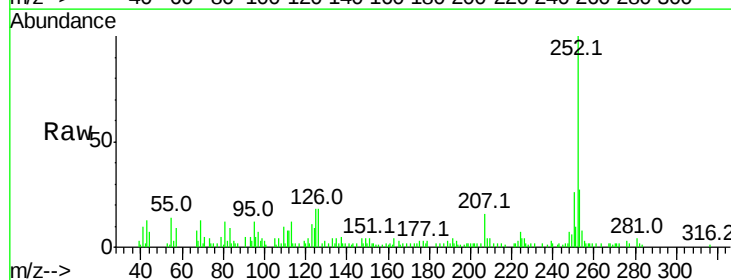
Tgt Ion:252 Resp: 45764

Ion Ratio Lower Upper

252 100

253 27.5 17.9 26.9#

125 17.9 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

